

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A computer system, comprising:
 - a processor;
 - a system memory coupled to said processor;
 - a bridge logic device coupled to said processor and said system memory and having a peripheral bus interface, wherein said bridge logic device is associated with at least a first address line;
 - a peripheral bus comprising a plurality of address lines, including the first address line, and coupled to the peripheral bus interface of said bridge logic device, said peripheral bus capable of coupling together various peripheral devices;
 - a first peripheral device coupled to said peripheral bus, wherein said first peripheral device is associated with said first address line;
 - an input/output device coupled to said bridge logic device; and
 - a logic device coupled to said peripheral bus that swaps a second two address line[[s]] for said first address line when a peripheral bus cycle is run to a particular asserted said first address line.
2. (Original) The computer system of claim 1 wherein said peripheral bus comprises a PCI bus.
3. (Original) The computer system of claim 1 wherein said logic device comprises a PLD.
4. (Currently amended) The computer system of claim 1 wherein said logic device swaps the two second address line[[s]] for said first address line when a peripheral bus configuration cycle is run.

5. (Currently amended) The computer system of claim 4 wherein said logic device issues a retry to said bridge logic which, in response, issues a retry to said processor.
6. (Currently amended) The computer system of claim 4 wherein said peripheral bus comprises a PCI bus including said first address line and said second address line and said logic device is a programmable logic device that detects a PCI configuration cycle run for one of the address lines comprising the PCI bus.
7. (Currently amended) The computer system of claim 6 further comprising an electronically controlled switch coupled to and controlled by said programmable logic device, said switch receiving at least two PCI bus address lines.
8. (Currently amended) The computer system of claim 6 wherein said programmable logic device switches the two PCI bus address lines when the programmable logic device detects a PCI bus configuration cycle targeted for one of the two address lines so that the address line targeted by the PCI bus configuration cycle is electrically connected to the other of said two address lines.
9. (Original) The computer system of claim 7 further including a PCI device connected to said PCI bus that has its IDSEL input pin connected to one of said two address lines.
10. (Cancelled).
11. (Currently amended) A programmable logic device coupled to a system bus comprising a plurality of address lines, said programmable logic device having logic that detects configuration read or write cycle to a particular system bus address line associated with a bridge logic device and, upon detecting a configuration read or write cycle to that particular address line, the programmable

logic device asserts a control signal to an electronically-controlled switch to connect the particular system bus address line to another address line.

12. (Cancelled).

13. (Cancelled).

14. (Original) The programmable logic device of claim 11 wherein programmable logic device issues a retry signal upon detecting the configuration read or write cycle to the said particular address line.

15.-22. (Cancelled).

23. (Currently amended) A computer system, comprising:

a processor;

a bridge logic device coupled to said processor and a system bus that comprises a plurality of address lines including a first address line;

at least one system bus peripheral device connected to said system bus, wherein said at least one system bus peripheral device is associated with said first address line;

an electronically-controlled switch connected to at least ~~one of~~ said first system bus address line[[s]]; and

~~a means for detecting a system bus configuration cycle associated with a certain system bus~~ said first address line and, upon detecting the configuration cycle associated with ~~the certain system bus~~ said first address line, asserting a control signal to said switch to connect ~~the certain system bus~~ said first address line to another of the system bus address lines associated with said first peripheral device.